

CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A folding carton comprising:

5 a first panel having a thickness and a surface, said first panel including a plurality of punch scores in said surface of said first panel, said punch scores extending only partially through said thickness;

a second panel disposed adjacent to said first panel, said second panel including a surface facing said surface of said first panel, said surface of said second panel being at least
10 partially coated and defining a plurality of uncoated knock-outs, said knock outs being aligned with said punch scores; and

an adhesive disposed between said first panel and said second panel adhesively joining said first panel and said second panel, said adhesive disposed in alignment with said punch scores and said knock outs, and wherein said punch scores and knock outs are modified in
15 either size, shape, number or location to achieve a predetermined peel strength and shear strength of the carton.

2. The carton of claim 1 further defining an uncoated stripe running through said knockouts on said second panel.

3. The carton of claim 1 further including a coating on said surface of said first
20 panel.

4. The carton of claim 3 further defining an uncoated stripe running through said punch scores on said first panel.

5. The carton of claim 4 wherein said adhesive is a water-based adhesive.

6. The carton of claim 4 wherein said first panel is an adhesive panel and said second panel is a right panel.

7. The carton of claim 6 further including a front panel hingedly attached to said right panel, a left panel hingedly attached to said front panel and a back panel hingedly attached to said left panel and said adhesive panel.

8. The carton of claim 7 further including a first closure flap hingedly attached to said front panel and a second closure flap hingedly attached to said back panel, each of said closure flaps hingedly attached to a locking tab.

9. The carton of claim 8 further including a plurality of dust flaps hingedly attached to each of said right panel and said left panel.

10. The carton of claim 9 further including an interior surface and an exterior surface and a coating on said interior surface and said exterior surface.

11. The carton of claim 10 wherein said coating is a UV varnish.

12. The carton of claim 4 wherein each of said punch scores penetrates approximately $\frac{1}{2}$ said thickness of said adhesive panel.

13. The carton of claim 12 wherein the coating is a UV varnish.

14. A carton blank comprising:

a first panel having a surface, said surface of said first panel being at least partially coated and defining a plurality of knock outs; and

a second panel having a thickness and a surface, said second panel including a plurality of punch scores in said surface of said second panel, said punch scores extending only partially through said thickness, said punch scores being configured to align with said knockouts when said blank is folded to form a carton.

15. The carton blank of claim 14 further defining an uncoated stripe running through said knock outs on said first panel.

16. The carton blank of claim 14 wherein said surface of said second panel includes a coating.

5 17. The carton blank of claim 16 further defining an uncoated stripe running through said punch scores on said second panel.

18. The carton blank of claim 14 wherein said punch scores penetrate approximately $\frac{1}{2}$ said thickness of said second panel.

10 19. The carton blank of claim 18, wherein said first panel is a right panel and said second panel is an adhesive panel.

20. The carton blank of claim 19 further including a front panel hingedly attached to said right panel, a left panel hingedly attached to said front panel and a back panel hingedly attached to said left panel and said adhesive panel.